

Mt Kenya



University

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF INFORMATION TECHNOLOGY

E-HEALTH DIABETES MANAGEMENT SYSTEM

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ABSTRACT

The E-Health Project focuses on creating a low cost and low intrusive healthcare system for people living with diabetes. The proposed system is divided into three sections: the mobile diary application, the mobile social networking application, and the website interface. This report focuses on the website interface and the back-end system (server and database). Firstly, user requirements for the system were obtained through the use of questionnaires. Based on the requirements deduced from the questionnaires a prototype was developed which was then tested by users. Based on user feedback, a completely functional system was designed and implemented. This system was then tested by users and found to meet their requirements. A diary study was then conducted to further test system functionality and utility. User's feedback regarding the system was that the system was easy to use.